



BIOQUELL QUBE

THE UNIQUE ISOLATOR WITH BIOQUELL'S
INTEGRATED 35% HYDROGEN PEROXIDE VAPOR



Improve workflow and increase throughput with the Bioquell Qube isolator integrated with our Hydrogen Peroxide Vapor decontamination technology. Rapidly provide an aseptic workspace in customizable configurations of 2, 4 or 6 gloves.

The Bioquell Qube provides superior advantages, from its material and construction to quick installation and implementation.

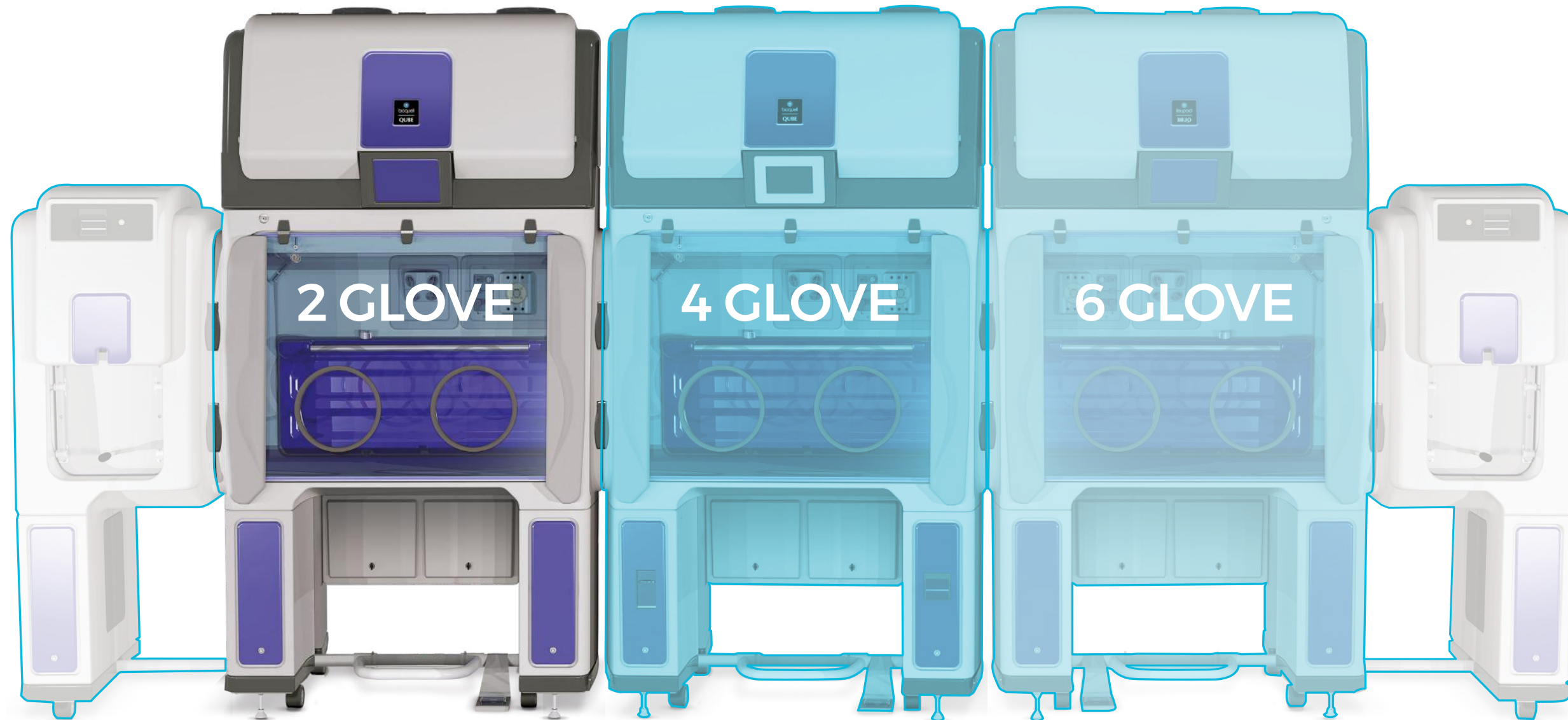
Here are just some of the benefits:

- Built-in Bioquell 35% Hydrogen Peroxide Technology
- Create a Grade A/ISO 5 environment outside of a cleanroom or buffer area
- Can be manufactured, installed and validated in 12 weeks
- Decontaminate incoming materials while working in another chamber
- Aseptic-hold retention for typically seven days depending on your protocols
- Use in negative or positive pressure without ducting in to HVAC
- Ideal for Hazardous Drug and sterile preparations
- No construction or electrical work for installation typically
- Ideal for time and/or heat sensitive processes
- Easy to use touchscreen navigation



CONFIGURATIONS:

We work with you to build the Bioquell Qube isolator to meet your needs by offering a 2, 4 or 6 glove option that can be amended with a material pass through or RTP on either or both sides of the system selected. Never slowdown your workflow as 4 and 6 glove options allow you to work in one or two chambers, while rapidly decontaminating incoming supplies in the other.



FAST AND EFFECTIVE FROM INITIAL ORDER TO DAILY USAGE

Technicians can stay efficient by performing critical tasks while decontaminating incoming supplies in an adjacent chamber in as little as 20 minutes. Even obtaining a Bioquell Qube is fast.

In 12 weeks from order, a validated and operational system can be installed in your facility without construction, ductwork or additional electrical needs.



UNIQUE DESIGN WITH COUNTLESS APPLICATIONS

Made of hard-wearing polypropylene instead of stainless steel, the Bioquell Qube is the only isolator with built-in Bioquell decontamination technology.

It provides unique risk reduction and cost saving benefits due to rapid decontamination cycles and the materials construction.



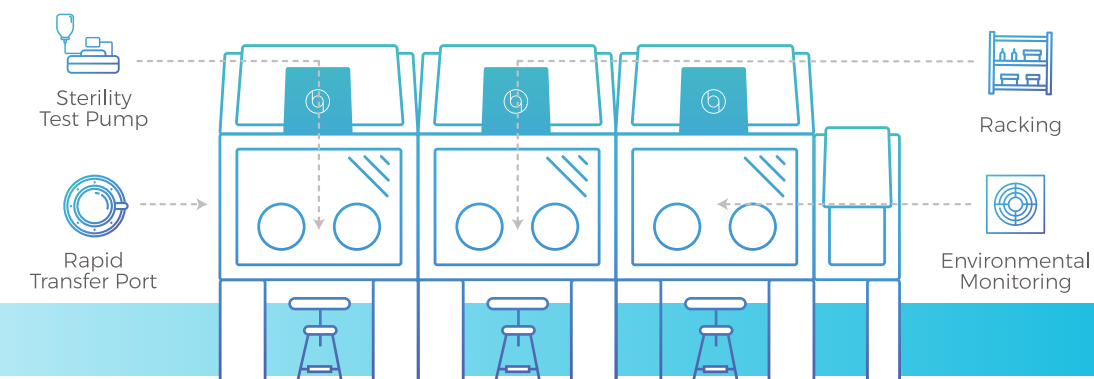
CUSTOMIZABLE TO MEET YOUR NEEDS

To start, select a 2, 4 or 6 glove configuration with optional material pass-throughs and Rapid Transfer Ports (RTP).

While integrated decontamination comes standard, optional features provide efficiencies and assurances to any process, such as racking options, integrated sterility test pumps, 21-CFR Part 11 software, environmental monitoring selections, and more.

ACCESSORIES AND FEATURES:

- Integrated Hydrogen Peroxide Vapor technology from Bioquell
- 2, 4, or 6 glove options with up to 2 material pass-throughs or RTPs
- Air inlet cooling for heat sensitive materials
- 4 levels of environmental monitoring to select from
- Symbio Flex Sterility Pump(s) integration
- Validated cycles based on custom load configurations
- Data logging with 21-CFR Part 11 software
- Rapid Transfer Port (available in 190mm and 270mm)
- One inch tri-clover port(s) in any chamber
- Racking options and accessories to maximize throughput
- Built-in screen with camera to record & display worksheets
- Temperature alarms
- Cycles in as fast as 20 minutes
- Integrated glove integrity testing



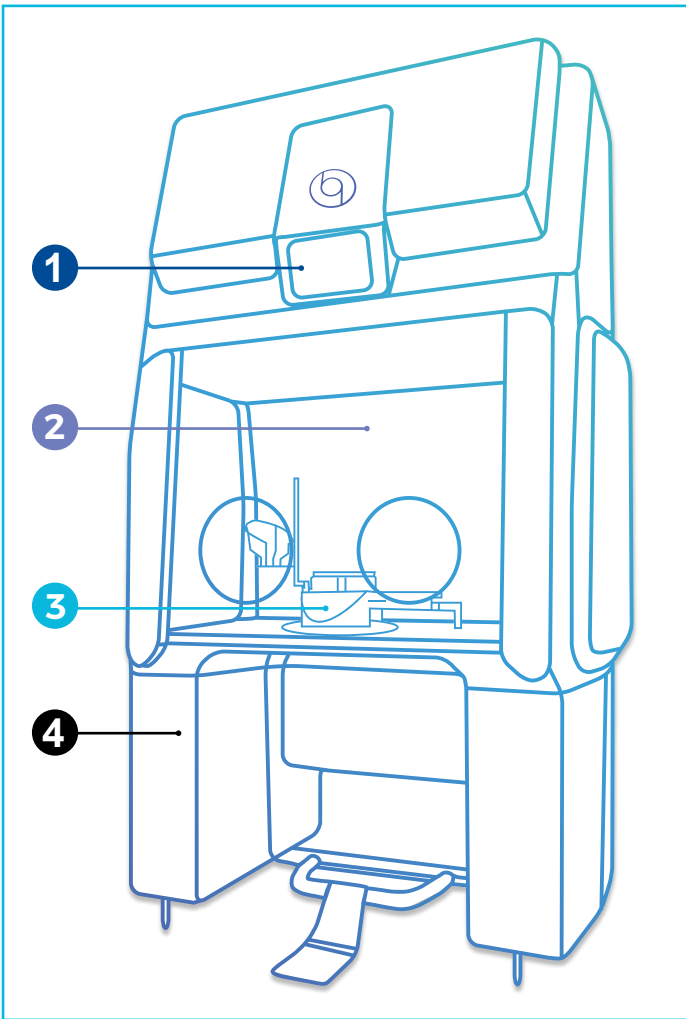
APPLICATIONS:

The advanced construction, integrated features and unique design of the Bioquell Qube allow for an on demand, rapidly created, Grade A/ISO 5 environment that is ideal for many applications.

- Sterility testing
- Drug compounding
- Gene and cell therapy
- Small batch production
- Numerous aseptic processing needs
- Cytotoxic and Hazardous Drug preparation

COMPONENTS:

- 1 Touchscreen Control Panel interface**
Password protected, the color touchscreen allows for simple navigation through the use of intuitive icons. Cycles are validated and pre-programmed for simple startup.
- 2 Integrated Vaporizer**
Each Bioquell Qube hosts a chamber integrated with a vaporizer. Decontaminate within this workspace only or open connecting pathways to decontaminate adjacent chambers.
- 3 Integrated Features and Optional Accessories**
Sterility test pumps, environmental monitoring, racking options and more are all easily incorporated within the isolator while maintaining an easy to maneuver workspace.
- 4 RFID Bottle Housing and Thermal Printer Readouts**
A safe and easy loading of the hydrogen peroxide is done here. For safety and quality control, all bottles require active RFID tags in order to use. Additionally, printed cycle reports with key data can be recovered here.



GET TECHNICAL WITH BIOQUELL QUBE

| Physical and safety data | Operating data | Power data |
|---|---|---|
| <p>Dimensions and weight</p> <p>Overall External: 1360 x 2335 x 843mm (53.5 x 91.9 x 33.2in)</p> <p>Inside Chamber: 1100 x 750 x 540mm (43.3 x 29.5 x 21.3in)</p> <p>280kg (617.3lbs)</p> | <p>Operating data</p> <p>Hydrogen peroxide liquid 35% w/w Bioquell approved supply only² (Fits UN approved 150ml bottle with RFID)</p> <p>Air quality</p> <p>ISO 14644-1 Class 5 (EU GMP Annex 1 Grade A)</p> <p>Airflow (downflow air velocity) Unidirectional 0.35m/s (+/-0.1) airflow at working height</p> | <p>Requirements (max)</p> <p>230V AC, single phase, 50/60Hz 12.4A 120V AC, single phase, 50/60Hz 15.0A 100V AC, single phase, 50/60Hz 13.0A</p> <p>Consumption (max)³</p> <p>230V 2.85kW 120V 1.8kW</p> <p>Process Mode</p> <p>QHPV: 0.53kW QEXT: 0.35kW QMTD: 0.05kW (Power comes via the QHPV)</p> <p>Supply</p> <p>Installation category II</p> |

¹ Internal chamber shape is irregular and may affect the overall working volume. Please contact Bioquell for more information.

² For a full hydrogen peroxide specification, please contact Bioquell or its agents

³ Additional power will be required for additional modules. The current and power quoted is for 2 QMTD's fitted to a QHPV unit, steritest pump, particle counter fitted and working and all internal sockets fully loaded in module. Maximum power is only drawn during the 'vapor distribution' stage and not through the whole decontamination cycle.

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